FLOOR SAW SYSTEM

REQUEST FOR INFORMATION

December 5, 2016

INTRODUCTION

THIS IS A REQUEST FOR INFORMATION (RFI) ONLY. This RFI is issued by CH2M Hill Plateau Remediation Company (CHPRC) solely for information and planning purposes – it does not constitute a Request for Proposal (RFP) or a promise to issue an RFP in the future. This request for information does not commit the CHPRC to contract for any supply or service whatsoever. Further, CHPRC is not at this time seeking proposals and will not accept unsolicited proposals. Responders are advised that the CHPRC will not pay for any information or administrative costs incurred in response to this RFI; all costs associated with responding to this RFI will be solely at the interested party's expense. If a solicitation is released, it will be issued on CHPRC's Current Solicitations website at: http://chprc.hanford.gov/page.cfm/CurrentSolicitations. It is the responsibility of the interested parties to monitor this site for additional information pertaining to this requirement.

CHPRC in support of the U.S Department of Energy (DOE) is requesting information from interested contractors to supply a floor saw system to support the removal of highly contaminated soils beneath the B-Cell of the 324 Building, a non-reactor, Category 2 nuclear facility located in the 300 Area of the United States DOE Hanford Site.

CHPRC is interested in identifying potential suppliers, which can include teaming arrangements that have the capability to supply the floor saw system.

BACKGROUND

The floor saw system is installed within a high-radiation and radiological-contaminated hot cell and used to remotely segment the floor into manageably sized pieces for removal by remotely operated excavation equipment. The excavation equipment is not part of this RFI. The hot cell floor is constructed of 6-in. to 10-in. thick concrete with stainless steel cladding and embedded structural shapes. The floor saw must be capable of cutting through the embedded structural shapes, the stainless steel cladding, and the concrete all at one time. The floor saw must be equipped with a means to remotely adjust the cutting depth. The floor saw system shall be designed to be placed in a wide array of positions and is expected to cut the floor into 2-ft square sections. The hot cell is 22-ft x 25-ft and will require approximately 450 linear feet of cutting to create the 2-ft square sections. It may be desirable to cut the floor into smaller segments.

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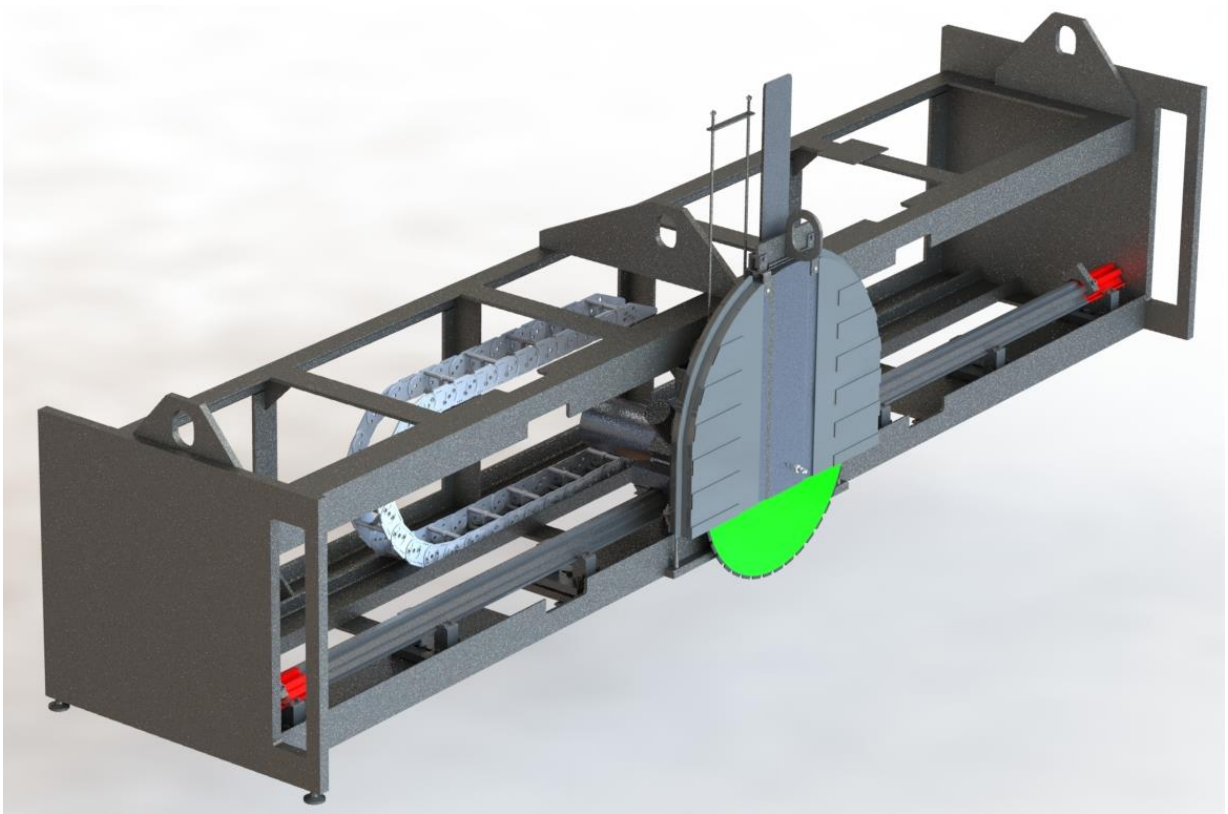
The floor saw system is comprised of an industrially-available concrete saw, a deployment frame, and a closed-loop water cooling system and the controls. The concrete saw is designed to be mounted to a wall but its track is mounted to the deployment frame. The frame and saw are remotely positioned using a crane and a remote excavator arm, which are not part of this RFI. The frame is not attached to the floor but instead the one end of the frame is positioned against one wall of the hot cell and the weight and inertia of the frame are considered adequate for counteracting reaction forces of the saw. A closed-loop water cooling loop is located outside of the cell and provides a cooling water to the saw motor. Cooling water for the saw blade, if required, must be limited due to the risk of additional migration of contamination in the soil beneath the floor. The saw is remotely operated using a pendant from distances up to 100 ft. away. A rendering of the floor saw system showing the concrete saw and deployment frame is provided in the figure below.



The original concept for the floor saw system included a saw-blade replacement feature. However, the current embodiment of the design does not include this feature. If the saw fails or the blade needs replaced, the floor saw system will be size reduced and removed as waste and a new floor saw system installed.

RESPONDING TO THE RFI

RFI responses shall be a Letter of Interest that should include:

1. Name of Organization(s)
    a. Name of the primary point of contact for the response including:
        i. E-mail address
        ii. Phone number
    b. Identification of other key individuals who collaborated on the RFI response
    c. If teaming, include the names/organizations of those teaming partners and the expected role assigned to each
2. Submittal of Qualifications
    a. Specific capabilities and recent relevant experience in successfully developing, manufacturing, testing, and delivering similar type equipment as the aforementioned floor saw system
    b. Have engineering, quality, fabrication, manufacturing, procurement and testing capabilities
3. Budgetary Cost Estimate
    a. Design completion, procurement and integration of components into a floor saw system
4. Schedule
    a. An estimated timeline identifying the steps and durations that would enable delivery and installation of the floor saw system for acceptance testing by September 28, 2017.

Of particular interest to CHPRC are the advantages that a contractor could offer with respect to shortening the development and testing schedule to deliver a floor saw system for mockup testing and training. This information will support future decisions by the CHPRC Soil Removal Project in developing its procurement strategy for the system. If found advantageous, a Request for Proposal (RFP) will be issued in January of 2017.

It is CHPRCs preference to minimize any design iterations and utilize the existing design to the fullest extent possible. However, all information, options, and proposed alternatives will be considered. Simplicity in the design is sought without compromising the safety of the operating personnel.

The referenced specification is provided as guidance only in order for the contractors to develop an informed response. It will be the responsibility of contractor to ensure the floor saw system

can be fabricated, integrated, and operated to satisfy the detailed functional requirements (to be provided with an RFP).

Information provided in response to this RFI will be treated as proprietary. If CHPRC chooses to engage a contractor to provide the transfer mechanism through an RFP, it is likely that the RFP will include an option to fabricate a second floor saw system for installation within the 324 Building. The selected contractor would not install equipment, but may be requested to provide installation support. The second floor saw system may have minor variances from the first set based on feedback from mockup testing and training.

Design Report Reference:

> PRC-SRP-00024, DESIGN REPORT NARRATIVE FOR THE FLOOR SAW, KUR-1782F-RPT-026, REV. 0

RESPONSE SUBMISSION DEADLINE

Responses to this RFI must be submitted no later than 1:00 pm Pacific Standard Time on December 27, 2016. RFI submissions will be accepted as e-mail attachments only. All responses must be sent to Doug Ordal, at Douglas_C_Ordal@rl.gov, with "RFI 300-296 Floor Saw System Response" in the subject line.

CHPRC has determined that North American Industry Classification System (NAICS) Code 541330, Engineering Services, applies to this acquisition. Therefore, the size standard for determining whether an Offeror is a small business in regard to this acquisition is $15M. If an RFP is issued, CHPRC retains the option of issuing the RFP as a small business set aside.

QUESTIONS AND COMMENTS REGARDING THE RFI

The Contractors shall submit any comments or questions regarding the RFI to the Contract Specialist in writing no later than December 15, 2016. The Contractor may transmit questions and comments via fax or e-mail. The Contract Specialist will answer all questions in writing and post all questions and answers on the CHPRC website.

SITE TOUR

The attached reference information along with the responses to questions is expected to be adequate to prepare a response to this RFI. However, if a tour is necessary to prepare a response, a request should be submitted to the Contract Specialist no later than December 15, 2016.

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SUBMITTAL ADDRESS

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